

Tank Waste Committee (TWC)

<p style="text-align: center;"><u>March 2021</u></p> <p><u>HAB Meeting Date:</u> Mar 17-18</p> <p><u>Meeting Date:</u> no meeting</p> <p><u>Committee Call Date:</u> all calls cancelled due to facilitation contract transition</p>	<p style="text-align: center;"><u>April 2021</u></p> <p><u>Meeting Dates:</u> Apr 14 placeholder</p> <p><u>Committee Call Dates:</u> Apr 27 @ 3:00 pm placeholder</p> <p><u>Leadership Workshop:</u> April 28-29 (rescheduled from May)</p>	<p style="text-align: center;"><u>May 2021</u></p> <p><u>Meeting Dates:</u> May 12 placeholder</p> <p><u>Committee Call Date:</u> May 25 placeholder</p>	<p style="text-align: center;"><u>Jun 2021 – Sep 2021</u></p> <p><u>Meeting Dates:</u> Aug 11 placeholder</p> <p><u>Committee Call Dates:</u> Jun 22, Aug 24 & Sep 28 placeholders</p> <p><u>HAB Meeting Dates:</u> Jun 9-10 and Sep 22-23</p>
	<ul style="list-style-type: none"> • Standing Items <ul style="list-style-type: none"> ○ Adopt last meeting summary ○ Open Forum ○ Committee business ○ Future meeting topics 		<ul style="list-style-type: none"> • Standing Items <ul style="list-style-type: none"> ○ Adopt last meeting summary ○ Open Forum ○ Committee business ○ Future meeting topics
	<ul style="list-style-type: none"> • Topics <ul style="list-style-type: none"> ○ Grout. Issues and overall look at the situation. ○ GAO report. HAB advice? ○ Emergency pumping guide ○ Tank Integrity (document review & discussion from IM team) ○ TSCR update ○ Off-gas and mass balance presentations ○ Learn more about the System Plan & how it addresses potential tank failures/need for new tanks ○ Retrieval of Tanks AX-102 & 104 ○ Retrieval plan for A-104 & A-105 ○ Update on liquid found in annulus of DST AN-105 ○ ILAW Transporter ○ Basis for HLW definition of estimated cost savings ○ Composite Analysis and Performance Assessments 	<ul style="list-style-type: none"> • Topics <ul style="list-style-type: none"> ○ Possible joint TWC/RAP meeting ○ Lessons learned from start up and commissioning 	<ul style="list-style-type: none"> • Topics <ul style="list-style-type: none"> ○ <u>June HAB</u>. DFLAW end-to-end discussion – Erik Olds, DOE ○ <u>May/June</u>. Lessons learned from start up and commissioning

Topic Number (for reference)	Agenda Topic	Framing Questions & Background Notes	Issue Managers	Agency Staff
1	Name: 242-A Evaporator Key upcoming dates: Public Comment Period: Next meeting: Update in Spring 2021?	Policy Issue(s) <ul style="list-style-type: none">• . Framing Questions <ul style="list-style-type: none">• Update HAB Products <i>(may include due dates)</i> <ul style="list-style-type: none">• .	Shelley Cimon, Lead Rob Davis Liz Mattson Vince Panesko Dan Solitz Bob Suyama	
2	Name: “Actionable Advice” Key upcoming dates: Public Comment Period: Next meeting:	Policy Issue(s) <ul style="list-style-type: none">• . Framing Questions <ul style="list-style-type: none">• What does “actionable advice” mean for TWC? HAB Products <i>(may include due dates)</i> <ul style="list-style-type: none">• .		
3	Name: Composite Analysis and Performance Assessments Key upcoming dates: Public Comment Period: Next meeting: Composite Analysis is a joint topic with RAP	Policy Issue(s) <ul style="list-style-type: none">• . Framing Questions <ul style="list-style-type: none"> • What is the Composite Analysis? • Annual report under TPA milestone (joint with RAP) • How does the Composite Analysis and Performance Assessments (PAs) relate to materials that will end up in disposal sites, such as secondary waste in IDF. • Recent Ecology letter regarding the A/AX tank farm PA dealing with risk, exposure pathways, boundaries, and COCs • What is the next step at C Farm and related WIR? • Is the plume under C Farm from somewhere else (e.g., ancient lakebeds)? HAB Products <i>(may include due dates)</i> <ul style="list-style-type: none">• .		

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4	<p>Name: Contracting – Operations & End State Approach</p> <p>Key upcoming dates: Requested for February TWC and BCC meetings</p> <p>Public Comment Period:</p> <p>Next meeting: Joint topic with BCC</p>	<p>Policy Issue(s)</p> <ul style="list-style-type: none"> • . <p>Framing Questions & Background</p> <ul style="list-style-type: none"> • Understanding the contract structure • How are they working? • Does an end state approach vs. a traditional approach work best for the new combined contract for DFLAW and tank farm operations? • What are the implications of the two approaches? • Open discussion to share viewpoints <p>HAB Products</p> <ul style="list-style-type: none"> • 		
5	<p>Name: Direct-Feel Low-Activity Waste (DFLAW) Critical Path</p> <p>Key upcoming dates:</p> <p>Public Comment Period:</p> <p>Next meeting: Standing update at TWC meetings</p>	<p>Policy Issue(s)</p> <ul style="list-style-type: none"> • . <p>Framing Questions & Background</p> <ul style="list-style-type: none"> • Update <p>HAB Products</p> <ul style="list-style-type: none"> • 		

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6	<p>Name: Effluent Treatment Facility (ETF) and Liquid Effluent Retention Facility (LERF)</p> <p>Key upcoming dates:</p> <p>Public Comment Periods:</p> <ul style="list-style-type: none"> Dec 15, 2020 – Feb 13, 2021 for load-in station Jan 25 – Mar 12, 2021 for LERF Basin 41 Feb 1 – Apr 2 permit mod with Mar 2 public meeting <p>Next meeting:</p>	<p>Policy Issue(s)</p> <ul style="list-style-type: none"> . <p>Framing Questions & Background</p> <ul style="list-style-type: none"> Update Issue flagged at Dec 8, 2020 PIC meeting for potential TWC presentation & discussion <p>HAB Products</p> <ul style="list-style-type: none"> . 		
7	<p>Name: GAO Report</p> <p>Key upcoming dates:</p> <p>Public Comment Periods:</p> <p>Next meeting:</p>	<p>Policy Issue(s)</p> <ul style="list-style-type: none"> . <p>Framing Questions & Background</p> <ul style="list-style-type: none"> Summary here: U.S. GAO - Hanford Cleanup: DOE's Efforts to Close Tank Farms Would Benefit from Clearer Legal Authorities and Communication <p>HAB Products</p> <ul style="list-style-type: none"> Should TWC develop draft advice? 		

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8	<p>Name: Grout</p> <p>Key upcoming dates:</p> <p>Public Comment Period:</p> <p>Next meeting:</p>	<p>Policy Issue(s)</p> <ul style="list-style-type: none"> • . <p>Framing Questions & Background</p> <ul style="list-style-type: none"> • Use of grout • WCS potential • NAS analysis • Technetium and Iodine – potential sticking points for on-site disposal at Hanford. Have these issues been resolved? • Congressional study and high-level waste interpretation • Basis for cost & savings numbers? Class 5 estimates • Criteria & issues of concern. Comparing technologies • What are the issues? • How we ended up where we are with vitrification and agreements that have been made • Overall look at the situation <p>HAB Products</p> <ul style="list-style-type: none"> • 	<p>Jeff Burright, lead Pam Larsen Liz Mattson Marissa Merker Vince Panesko Gerry Pollet Jacob Reynolds Dan Solitz Bob Suyama Steve Wiegman</p>	
9	<p>Name: High-Level Waste (HLW) Analysis of Alternatives</p> <p>Key upcoming dates:</p> <p>Public Comment Period:</p> <p>Next meeting:</p>	<p>Policy Issue(s)</p> <ul style="list-style-type: none"> • . <p>Framing Questions & Background</p> <ul style="list-style-type: none"> • . <p>HAB Products</p> <ul style="list-style-type: none"> • 		

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10	Name: Holistic Negotiations Key upcoming dates: Public Comment Period: Next meeting:	Policy Issue(s) <ul style="list-style-type: none"> . Framing Questions & Background <ul style="list-style-type: none"> What are the results of the holistic negotiations? HAB Products <ul style="list-style-type: none"> . 		
11	Name: Integrated Disposal Facility (IDF) Key upcoming dates: Public Comment Period: Next meeting:	Policy Issue(s) <ul style="list-style-type: none"> . Framing Questions & Background <ul style="list-style-type: none"> 10 of waste in IDF is unidentified. What are the impacts of this? HAB Products <ul style="list-style-type: none"> . 		
12	Name: Infrastructure, Piping, and Site Transfer of Waste Key upcoming dates: Public Comment Period: Next meeting:	Policy Issue(s) <ul style="list-style-type: none"> . Framing Questions <ul style="list-style-type: none"> Integrity testing program of site transfer piping Cross-site transfer line status and related issues Historical knowledge helpful HAB Products <i>(may include due dates)</i> <ul style="list-style-type: none"> . 		

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13	Name: Institutional Controls vs. Engineered Controls Key upcoming dates: Public Comment Period: Next meeting:	Policy Issue(s) <ul style="list-style-type: none"> . Framing Questions <ul style="list-style-type: none"> Assumptions about future of the site and “control” HAB Products <i>(may include due dates)</i> <ul style="list-style-type: none"> . 		
14	Name: Off-gas and mass balance Key upcoming dates: Public Comment Period: Next meeting:	Policy Issue(s) <ul style="list-style-type: none"> . Framing Questions <ul style="list-style-type: none"> . HAB Products <i>(may include due dates)</i> <ul style="list-style-type: none"> . 		
15	Name: System Plan 9 Key upcoming dates: Public Comment Period: Next meeting:	Policy Issue(s) <ul style="list-style-type: none"> . Framing Questions <ul style="list-style-type: none"> What is the rest of the story? How does the System Plan address potential tank failures and the need for new tanks? (see appendix in the System Plan to clarify assumptions) HAB Products <i>(may include due dates)</i> <ul style="list-style-type: none"> . 		

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16	Name: Tank Integrity Key upcoming dates: Public Comment Period: Next meeting:	Policy Issue(s) <ul style="list-style-type: none"> • . Framing Questions <ul style="list-style-type: none"> • Tank integrity briefing • Results and decisions from studies on repairing tanks • Emergency pumping guide HAB Products <i>(may include due dates)</i> <ul style="list-style-type: none"> • . 	Bob Suyama, lead Steve Anderson Jeff Burright Phil Lemley Liz Mattson Vince Panesko	
17	Name: Tank Retrieval Key upcoming dates: Public Comment Period: Next meeting:	Policy Issue(s) <ul style="list-style-type: none"> • . Framing Questions <ul style="list-style-type: none"> • Tank retrieval • Third technology • Performance Assessment findings HAB Products <i>(may include due dates)</i> <ul style="list-style-type: none"> • . 		
18	Name: Tank-Side Cesium Removal (TSCR) Key upcoming dates: Public Comment Period: Next meeting:	Policy Issue(s) <ul style="list-style-type: none"> • . Framing Questions <ul style="list-style-type: none"> • Briefing • How does TSCR improve the mixing process? HAB Products <i>(may include due dates)</i> <ul style="list-style-type: none"> • . 		

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19	<p>Name: Technetium and Iodine Removal</p> <p>Key upcoming dates:</p> <p>Public Comment Period:</p> <p>Next meeting:</p>	<p>Policy Issue(s)</p> <ul style="list-style-type: none"> • . <p>Framing Questions</p> <ul style="list-style-type: none"> • Refresher on the issues • How do Performance Assessments get built? • What is the history of Tc & I separation in the WTP? • Why was it decided not to do Tc & I separation? • What technologies are out there? • What would you do with Tc & I if you could separate it? • How to handle Tc & I as secondary waste that escapes as steam. (NRC made the point that steam separation of Tc & I is a pretty effective way to get them out of LAW.) <p>HAB Products (may include due dates)</p> <ul style="list-style-type: none"> • . 		
20	<p>Name: Waste Disposition: Transuranic Waste (TRU)</p> <p>Key upcoming dates:</p> <p>Public Comment Period:</p> <p>Next meeting:</p>	<p>Policy Issue(s)</p> <ul style="list-style-type: none"> • . <p>Framing Questions & Background</p> <ul style="list-style-type: none"> • Disposition of TRU that may be in the tanks <p>HAB Products</p> <ul style="list-style-type: none"> • . 		
21	<p>Name: Waste Disposition: Vitrified Waste and All Waste Streams</p> <p>Key upcoming dates:</p> <p>Public Comment Period:</p> <p>Next meeting:</p>	<p>Policy Issue(s)</p> <ul style="list-style-type: none"> • . <p>Framing Questions & Background</p> <ul style="list-style-type: none"> • Disposal paths and timelines <p>HAB Products</p> <ul style="list-style-type: none"> • . 		

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22	Name: Waste Incidental to Reprocessing (WIR) for Vitrified Low-Activity Waste (VLAW) Key upcoming dates: Public Comment Period: Next meeting:	Policy Issue(s) <ul style="list-style-type: none">. Framing Questions & Background <ul style="list-style-type: none">Reclassification of specific volume of wasteNot mixing with other High-Level Waste (HLW) HAB Products <ul style="list-style-type: none">Advice?		
23	Name: Waste Treatment Plant (WTP) Key upcoming dates: Public Comment Period: Next meeting: Nov 18 TWC meeting	Policy Issue(s) <ul style="list-style-type: none">. Framing Questions & Background <ul style="list-style-type: none"> Basic overview: <i>How Did We Get Here?</i> Collaborative presentation of information from Ecology, DOE, and perhaps others (e.g., EPA, ODOE) What are the phases for commissioning? Update on progress (plant, people, construction, legacy software/hardware) What are final destination(s) of different waste types? HAB Products <ul style="list-style-type: none">.		
24	Name: Key upcoming dates: Public Comment Period: <i>insert dates and link to fact sheet or website, if appropriate</i> Next meeting: <i>indicate what meeting this topic will be discussed and time needed</i>	Policy Issue(s) <ul style="list-style-type: none">. Framing Questions <ul style="list-style-type: none">. HAB Products <i>(may include due dates)</i> <ul style="list-style-type: none">. <i>Keep this short/concise (not a laundry list) and focused on</i> <ul style="list-style-type: none"> Identifying policy-level issues related to the topic What information is needed to understand the topic to inform HAB work on this issue related to the policy-level issues What product(s) the HAB intends to produce related to this topic 		